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PHOTOGRAPHIC INTERPRETATION REPORT

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MOSKVA GUIDED MISSILE PLANT AND
EXPERIMENTAL STATION, KALININGRAD 88

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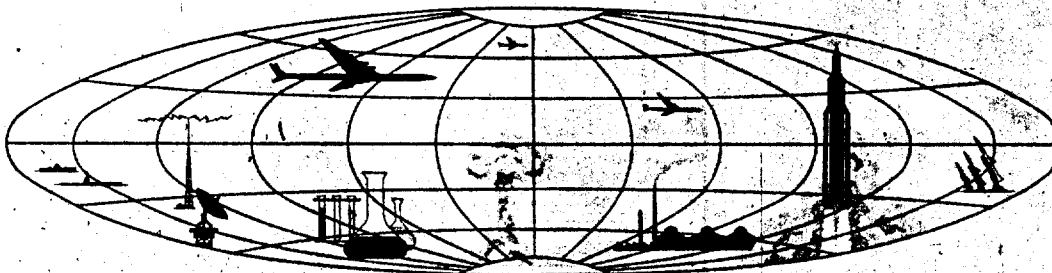
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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MOSKVA GUIDED MISSILE PLANT AND EXPERIMENTAL STATION, KALININGRAD 88

The Moskva Guided Missile Plant and Experimental Station, Kaliningrad 88* (BE No [REDACTED] located at 55-55N 37-48E, about 11 nautical miles (nm) northeast of the center of Moscow, was covered by [REDACTED] KEYHOLE photography of [REDACTED]. This installation is one of the most important missile/space R & D centers in the USSR and

*Also called Scientific Research Institute (NII) Experimental Plant 88, or NII/Plant 88 for short. "NII" is the abbreviation for Nauchno-Issledovatel'skiy Institut (Scientific Research Institute).

may be engaged in limited production of intercontinental ballistic missiles. 1/ The installation is composed of two plant areas, designated A and B, and the Central Artillery Design Bureau (Figure 1). The area formerly called Area C 2/ now has been identified as a housing area. The ground area and building count, with the addition of four large assembly-type buildings, are more than double those shown on a [REDACTED] mosaic. 3/

Total roof cover of the major buildings in the three areas--which together cover approx-

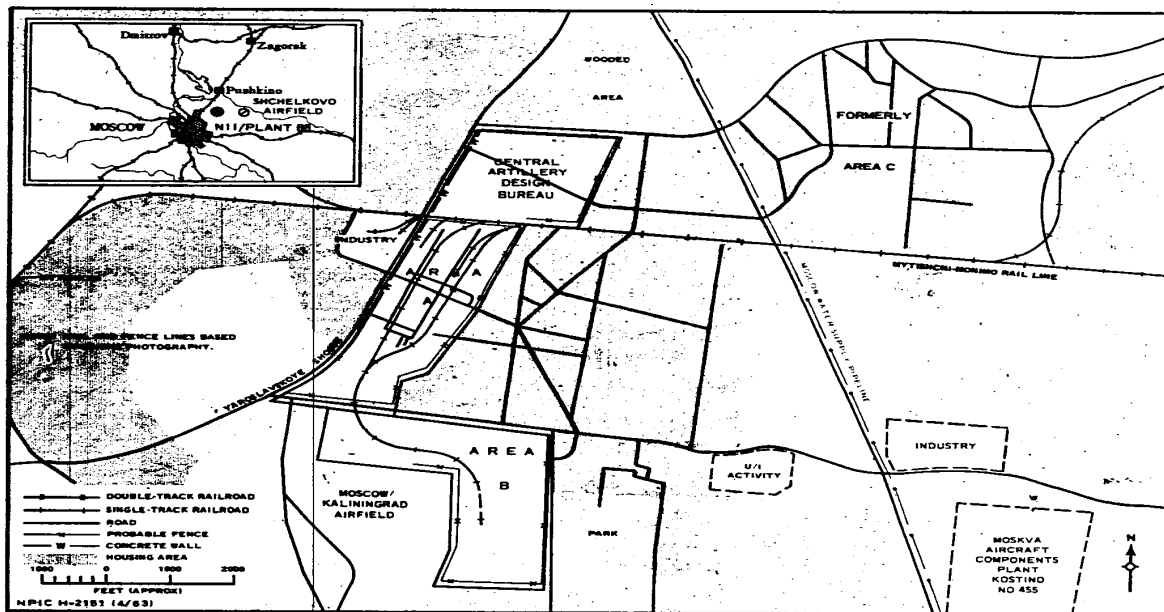


FIGURE 1. LOCATION OF NII/PLANT 88.

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imately 408 acres--is 2,926,710 square feet. According to collateral, these three areas are road and rail served, although details of the rail network are not discernible on the KEYHOLE photography owing to various limiting conditions. Air support is provided by Moscow/Shchelkovo Airfield, 8 nm east of Kaliningrad. Adequate power for operations is supplied by the Moscow Area Power Grid. Two nearby reservoirs, northwest of Kaliningrad, supply water for operations.

Security fence lines for all three areas are not determinable from KEYHOLE photography because of small scale, haze, clouds, and snow. An extensive study of the photography does not show any identifiable testing facilities in Area A or B, but limiting conditions preclude a complete search. Facilities for missile-engine testing, and possibly for complete testing of missiles associated with NII/Plant 88, are located at Krasnozavodsk, 44 nm northeast of Kaliningrad, near Zagorsk.

AREA A

Area A measures approximately 4,150 by 1,480 feet, and covers approximately 141 acres. The roof cover of the major buildings in Area A totals 1,321,925 square feet. Table 1 gives data on the buildings in the area.

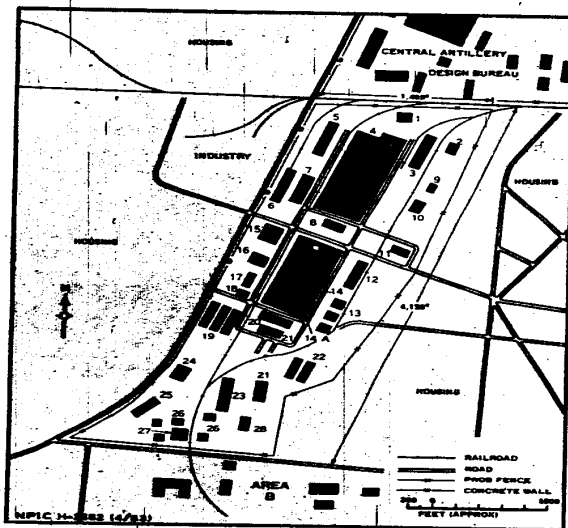


FIGURE 2. AREA A.

Table 1. Buildings in Area A (Keyed to Figure 2)

Item	Function	Length x Width* (ft)	Roof Cover (sq ft)
1	Possible workshop	125 x 90	11,250
2	Unidentified	110 x 90	9,900
3	Probable warehouse	310 x 95	29,450
4	Assembly/fabrication/checkout	900 x 400	360,000
5	Unidentified	300 x 90	27,000
6	Unidentified	385 x 80	30,800
7	Unidentified	365 x 80	29,200
8	Probable heating plant	320 x 120	38,400
9	Warehouse	185 x 90	16,650
10	Warehouse	95 x 60	5,700
11	Possible administration	140 x 100	14,000
12	Probable warehouse	160 x 80	12,800
13	Probable warehouses (3)	330 x 80	26,400
14	Assembly/fabrication, with high-bay section	90 x 85	22,950
14a		770 x 415	319,550
15	Probable design	415 x 95	---
16	Transformer	150 x 170	30,600
17	Probable engineering	160 x 115	18,400
18	Unidentified	155 x 65	10,075
19	Drafting/design (3)	100 x 80	8,000
20	Assembly/fabrication	280 x 70	58,800
21	Workshops (2)	285 x 85	32,725
22	Workshops (2)	210 x 90	37,800
23	Workshop	250 x 85	42,500
24	Probable storage	345 x 65	29,325
25	Probable storage	170 x 130	22,100
26	Storage (5)	260 x 80	20,800
27	Storage	90 x 80	36,000
28	Probable storage	170 x 130	8,750
		150 x 80	12,000
TOTAL			1,321,925

*Height not determinable.

AREA B

Area B, which is reported to contain testing facilities, 1/ is located along the north and east parts of Moscow/Kaliningrad Airfield and is south of Area A (Figure 1). Area B contains no identifiable test stand facilities. This area measures approximately 3,160 by 1,420 feet and 2,200 by 1,130 feet, and covers an area of approximately 160 acres. The roof cover of the major buildings in the area is 839,960 square feet. Area B is reduced in size from that shown in PIC/B-6/60 2/ because of the previous inclusion of a wooded area within

its boundaries. Table 2 gives data on the buildings in the area.

Table 2. Buildings of Area B (Keyed to Figure 3)

Item	Function	Length x Width* (ft)	Roof Cover (sq ft)
1	U-shaped administration	Irregular	46,200
2	Probable workshops (2)	155 x 85	26,350
3	Possible test	100 x 80	8,000
4-9	Probable workshops (6)	100 x 80	
		to	
		245 x 120	100,200
10	Possible administration	390 x 100	39,000
11	Possible administration	330 x 100	33,000
12-16	Possible workshops (5)	105 x 75	
		to	
		185 x 75	60,150
17	Possible test	90 x 75	6,750
18	Possible workshop	90 x 90	8,100
19	Possible administration	275 x 90	24,750
20	Workshop	155 x 80	14,500
21	Workshop	110 x 80	8,800
22	Possible laboratory	Irregular	109,600
23	Workshop	140 x 90	12,600
24	Workshop	390 x 90	35,100
25	Workshop	125 x 85	10,625
26	Possible assembly/fabrication	590 x 270	159,300
27	Workshop	245 x 75	18,375
28	Workshop	210 x 80	16,800
29	Workshop	185 x 90	16,650
30	Workshop	205 x 95	19,475
31	Unidentified	65 x 65	4,160
32	Workshop	205 x 100	20,500
33	Possible test	Irregular	16,725
34	Workshop	105 x 80	8,400
35	Possible test	110 x 80	8,800
36	Workshop	90 x 75	6,750
TOTAL			839,960

*Height not determinable

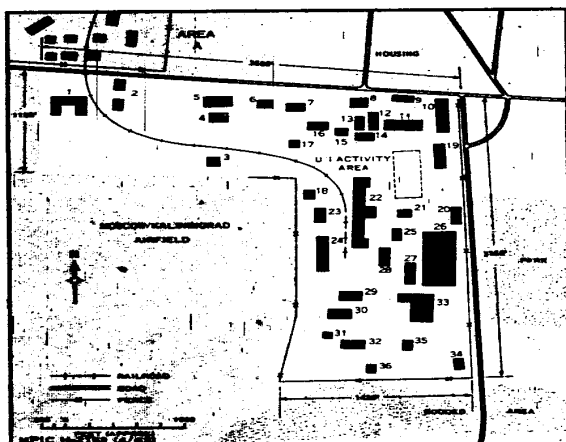


FIGURE 3. AREA B.

CENTRAL ARTILLERY DESIGN BUREAU

The Central Artillery Design Bureau, north of Area A, measures approximately 2,340 by 2,000 feet, an area of 107 acres. The roof

cover of the major buildings measures 764,825 square feet. Table 3 gives data on the buildings in the area.

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Table 3. Buildings of Central Artillery Design Bureau
(Keyed to Figure 4)

Item	Function	Length x Width* (ft)	Roof Cover (sq ft)
1	Workshop	240 x 80	19,200
2	Workshop	140 x 100	14,000
3	Workshop	120 x 105	12,600
4	Probable office	320 x 100	32,000
5	Administration	440 x 100	44,000
6	Workshop	255 x 120	30,600
7	Workshop	230 x 75	16,500
8	Workshop	110 x 100	11,000
9	Workshop	210 x 65	13,650
10	Possible assembly/ fabrication	545 x 340	185,300
11	Probable machine shop	180 x 75	13,500
12	Assembly/fabrication	460 x 410	188,600
13	Possible test	210 x 85	17,850
14	Unidentified	105 x 95	9,975
15	Workshop	245 x 85	20,825
16	Workshop	240 x 100	24,000
17	Workshop	200 x 90	18,000
18	Unidentified	90 x 80	7,200
19	Workshops (5)	155 x 90	
		to	
		235 x 110	86,025
TOTAL			764,825

*Height not determinable.

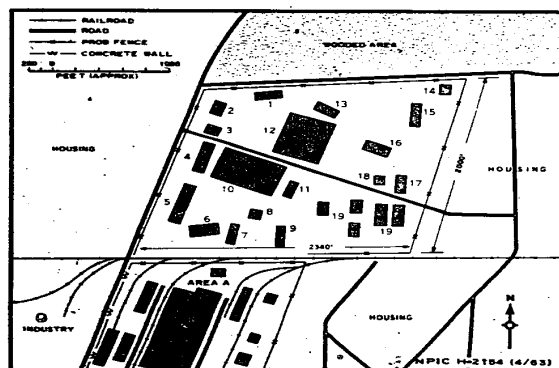


FIGURE 4. CENTRAL ARTILLERY DESIGN BUREAU.

OTHER AREAS

An area 2,500 feet east of the design bureau, formerly called Area C and suspected of being connected with NII/Plant 88, has now been identified as a housing area. About 2,500 feet east of Area B is an area of unidentified activity. Photographic limitations preclude any interpretation.

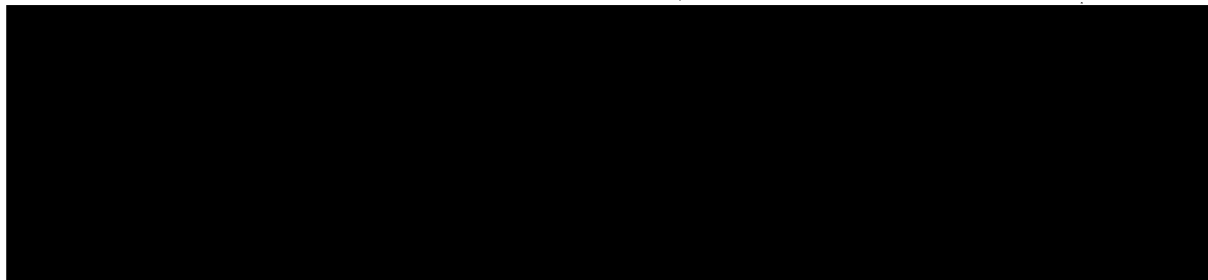
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REFERENCES

PHOTOGRAPHY

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MAPS OR CHARTS

- ACIC. US Air Target Chart, Series 200, Sheet 0167-5A, 1st ed, Apr 58, scale 1:200,000 (SECRET)
ACIC. US Air Target Mosaic, Series 50, Sheet 0167-5/3ZMA, 2d ed, Apr 59, scale 1:50,000 (SECRET)

DOCUMENTS

1. CIA. OSI-C-RA/60-2, Scientific Research Institute and Experimental Factory 88 for Guided Missile Development, Moskva/Kaliningrad, 4 Mar 60 (SECRET)
2. CIA. PIC/B-6/60, Moskva Guided Missile Plant and Experimental Station, Kaliningrad 66, USSR, 11 Jul 60 (TOP SECRET CHESS)
3. ACIC. US Air Target Complex Mosaic, Series 25, Sheets 0167-9996-7 & 8-25MA, 2d ed, Dec 53, scale 1:25,000 (SECRET)

REQUIREMENT

Air Force. AF 62-8

NPIC PROJECT

JN-65/62

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